

System and Method for Characterizing and Simulating a Frequency Translation Device

Abstract

The present invention is a system and method of characterizing and simulating frequency translation devices. By supplying a stimulus condition as input to the frequency translation device, measurements of the intermodulation products in the output spectrum can be obtained. The measurements include both sum intermodulation products and difference intermodulation products. An index file is established to enable the extraction of the intermodulation products dependent upon a requested simulation response.